

Notice of Allowability

Application No.

10/671,115

Examiner

TuyetLien (Lien) T. Tran

Applicant(s)

ARQUIE ET AL.

Art Unit

2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 11/13/2006.
2. ☒ The allowed claim(s) is/are 5-7 and 23-25.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

BA HUYNH
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Heather Larson on 1/3/2007 at 3:30 PM.

The application has been amended as follows:

23. (Currently amended) A computer-readable storage medium having storing computer-executable instructions for performing a computer process that displays storage area network monitoring information, the computer process comprising:

- identifying a topology map for a storage network;
- receiving operating information for the storage network;
- processing the operating information to determine a performance parameter; and
- for a user interface, generating a performance monitoring display including at least a portion of the topology map and a graphical representation of the performance parameter;

wherein the performance parameter is based on data traffic in a data connection of the storage network and wherein the performance parameter representation is displayed to indicate motion, the motion having a direction corresponding to the data traffic in the data connection;

wherein the performance parameter representation is further displayed to move at a speed that is selected to indicate ranges of values for the performance parameter;

wherein the performance parameter representation includes two parallel lines comprising dashes separated by a distance and wherein the dashes in one of the lines moves in a first direction and the dashes in the other one of the lines moves in a second direction opposite of the first direction to represent two channel data flow, the performance parameter representation being positioned in the display so as to replace the data connection in the topology map.

24. (Currently amended) The computer-readable storage medium of claim 23 wherein each of the dashed lines is shown to be moving by displaying a dashed line with a first position at a first time and then displaying the dashed line with a second position offset a distance from the first position at a second time.

25. (Currently amended) The computer-readable storage medium of claim 23 wherein the dashes in each of the lines have a size selected based on the value of the performance parameter corresponding to each of the lines, wherein the size is selected to be inversely proportionate to the performance parameter corresponding to each of the lines.

Allowable Subject Matter

2. Claims 5-7 and 23-25 are allowed.

The following is an examiner's statement of reasons for allowance: Independent claims 5 and 23, when considered as a whole, are allowable over the prior art of record. Specifically, prior art of record fail to clearly teach or fairly suggest the limitations "the performance parameter representation of the displayed storage area network is displayed to move at a speed that is selected to indicate ranges of values for the performance parameter wherein the performance parameter representation includes two parallel dash lines that move in opposite

direction to represent two channel data flow". The dependent claims further add limitations to the allowable subject matter of the corresponding independent claims; thus are also allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TuyetLien (Lien) T. Tran whose telephone number is 571-270-1033. The examiner can normally be reached on Mon-Friday: 7:30 - 5:00, off on alternating Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on 571-272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

T.T
1/3/2007

Lien Tran
Examiner
Art Unit 2179

BA HUYNH
PRIMARY EXAMINER